

Stephen Hillis' Publications

Refereed Journals:

1. Hillis, S.L., Obuchowski, N.A., Schartz, K.M., Berbaum, K.S. (2005) A comparison of the Dorfman-Berbaum-Metz and Obuchowski-Rockette Methods for receiver operating characteristic (ROC) data, *Statistics in Medicine*, in press.
2. Hillis, S.L., Berbaum, K.S. (2004) Power estimation for the Dorfman-Berbaum-Metz method, *Academic Radiology*, 11, 1260-1273.
3. Saltzman, C., Rashid, R., Hayes, A., Fitzpatrick, D., Klapach, A., Fellner, C., Hillis, S.L. (2004). Gram monofilament sensation beneath the first metatarsal indicates protective foot sensation in diabetic patients, *Journal of Bone and Joint Surgery*, 86, 717-723.
4. Zickmund, S., Hillis, S. L., Barnett, M. J., Ippolito, L., LaBrecque, D. R. (2004). 'He Told me I would Die and I should just Go Away': Hepatitis C Patients Report Communication Problems. *Hepatology*, 39, 999-1007.
5. Cram, P., Hillis, S.L., Barnett, M., Rosenthal, G.E. (2004). The impact of weekend admission and hospital teaching status on in-hospital mortality, *The Green Journal*, 117, 151-157.
6. Obuchowski, N.A., Beiden, S.V., Berbaum, K.S., Hillis, S.L., Ishwaran, H., Song, H.H., Wagner, R.F. (2004) Multi-case ROC analyses: an empirical comparison of five methods. *Academic Radiology*, 11, 980-995 DOI:10.1016/j.acra.2004.04.014.
7. Tochigi, Y., Amendola, A., Rudert, M.J., Baer, T.E., Brown, T.D., Hillis, S.L., Saltzman, C.L. (2004). Direction of subtalar joint laxity with interosseous, talocalcaneal ligament sectioning, *Foot and Ankle International*, 25, 588-596.
8. Levy, S. M., Warren, J.J., Broffitt, B., Hillis, S.L., Kanellis, M.J. (2003). Fluoride, Beverages, and Dental Caries in the Primary Dentition, *Caries Research*, 37, 157-165.
9. Niehaus, A.C., Heard, S.B., Hendrix, S. D., Hillis, S.L. (2003). Measuring edge effects on nest predation in forest fragments: do finch and quail eggs tell different stories? *American Midland Naturalist*, 149, 335-343.
10. Hillis, S. L. & Woolson, R. F. (2002). An Analysis of Categorized Data: Use of the Odds Ratio as a Measure of Association, chapter in *Textbook of Psychiatric Epidemiology, Second Edition*, ed. by Tsuang, M., and , Tohen, M., 35-64. New York: Wiley-Liss, Inc.
11. Tonioli, M.B, Bouschlicher, and Hillis, S.L.(2002). M.R.Laser Fluorescence Detection of Occlusal Caries, *American Journal of Dentistry*, 15(3), 268-273.

12. Levy, S.M., Hillis, S.L., Warren J.J., Broffitt, B.A., Islam, A.K.M.M., Wefel, J.S., Kanellis, M.J. (2002). Primary tooth fluorosis and fluoride intake during the first year of life, *Community Dentistry Oral Epidemiology*, 30, 286-95.
13. Thomas, G., Goldberg, J.H., Cannon, D., and Hillis, S.L. (2002). Surface Textures Improve the Robustness of Stereoscopic Depth Cues. *Journal of the Human Factors and Ergonomics Society*, 44, 157-170.
14. Catney, M.R., Hillis, S.L., Wakefield, B., Simpson, L., Domino, L., Keller, S., Connelly, T., White, M., Price, D., Wagner, K. (2001). Relationship between the incidence of phlebitis/infiltratin rates and the frequency of changing peripheral intravenous (IV) catheters. *Journal of Infusion Nursing*, 24, 332-341.
15. Lutgendorf, S.K., Tripp-Reimer, T., Harvey, J., Marks, G., Hong, S-Y., Hillis, S.L., & Lubaroff, D. (2001). Effects of Housing Relocation on Immunocompetence and Psychosocial Functioning in Older Adults. *Journals of Gerontology: Medical Sciences*, 56A, M97-M105
16. Davies, K.R., Schneider, G.B., Southard, T.E., Hillis, S.L., Wertz, P.W., and Finkelstein, M. (2001). Deciduous canine and permanent lateral incisor differential root resorption. *American Journal of Orthodontics and Dentofacial Orthopedics*, 120:339-347.
17. Southard, T.E., Southard, K.A., Krizan, K.E., Hillis, S.L., Haller, J.W., Keller, J., and Vannier, M.W. (2000). Mandibular bone density and fractal dimension in rabbits with induced osteoporosis, *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*, 89:244-9.
18. Haselton, D.R., Diaz-Arnold, A.M., and Hillis, S.L. (2000). Clinical assessment of high-strength, all-ceramic crowns, *Journal of Prosthetic Dentistry*, 83, 396-401.
19. Herron, R.E. & Hillis, S.L. (2000). The Impact of the Transcendental Meditation Program on Government Payments to Physicians in Quebec: An Update, *Science of Health Promotion*, 14, 284-291.
20. Pedersen, D.R., Brown, T. D., Hillis, S. L., Callaghan, J. J. (1998). Prediction of long-term polyethylene wear in total hip arthroplasty, based on early wear measurements made using digital image analysis, *Journal of Orthopaedic Research*, 16, 557-563.
21. Leslie, L. R., Southard, T. E., Casko, J. S., Southard, K. A., Jakobsen, J. R., Tolley, E. A., Hillis, S. L., Carolan, C., Logue, M. W. (1998). Prediction of mandibular growth rotation: assessment of the Skieller, Bjork, and Linde-Hansen method, *American Journal of Orthodontics and Dentofacial Orthopedics*, 114, 659-67.

22. Suls, J., Green, P., Hillis, S. L. (1998). Emotional reactivity to everyday problems, affective inertia, and neuroticism, *Personality and Social Psychology Bulletin*, **24**, 127-136.
23. Keenan, G. M., Cooke, R., Hillis, S. L. (1998). Norms and nurse management of conflicts: keys to understanding nurse-physician collaboration, *Research in Nursing and in Health*, **21**, 59-72.
24. Shaver, S. M., Brown, T. D., Hillis, S. L., Callaghan, J. J. (1997). Digital edge detection measurement of polyethlyne wear in total hip arthroplasty, *The Journal of Bone and Joint Surgery*, **79-A**, 690-700.
25. MacLean, C. R. K., Walton, K. G., Wenneberg, S. R., Levitsky, D. K., Mandarino, J. V., Waziri, R., Hillis, S. L., Schneider, R. H. (1997). Effects of the Transcendental Meditation Program on Adaptive Mechanisms: Changes in Hormone Levels and Responses to Stress after Four Months of Practice, *Psychoneuroendocrinology*, **22**, 277-295.
26. Hillis, S. L. & Woolson, R. F. (1996). An iterative weighted least squares algorithm and simulation study for censored data M-estimators, *Communications in Statistics B*, **25**, 247-262.
27. Southard, T. E., Southard, K. A., Jakobsen, J. R., Hillis, S. L., Najim, C. A. (1996). Fractal dimension in radiographic analysis of alveolar process bone, *Oral Surgery, Oral Medicine, Oral Pathology, and Oral Radiology*, **82**, 569-576.
28. Herron, R. E., Hillis, S. L., Mandarino, J. V., Orme-Johnson, D. W., Walton, K. G. (1996). The impact of the Transcendental Meditation Program on government payments to physicians in Quebec, *American Journal of Health Promotion*, **10**, 208-216.
29. Hillis, S. L. (1995). Residual plots for the censored data linear regression model, *Statistics in Medicine*, **14**, 2023-2036.
30. Hillis, S. L. & Woolson, R. F. (1995). *An Analysis of Categorized Data: Use of the Odds Ratio as a Measure of Association*, in *Textbook of Psychiatric Epidemiology*, ed. by Tsuang, M., Tohen, M., & Zahner, G., 55-80. New York: Wiley.
31. Hillis, S. L. & Davis, C. S. (1994). A simple justification of the iterative fitting procedure for generalized linear models, *The American Statistician*, **48**, 288-289.
32. Hillis, S. L. (1994). A heuristic generalization of Smith's Buckley-James variance estimator, *Communications in Statistics B*, **23**, 813-832.
33. Hillis, S. L. (1993). The equivalence of two Buckley-James variance estimators, *Communications in Statistics A*, **22**, 479-484.

34. Hillis, S. L. (1993). A comparison of three Buckley-James variance estimators, *Communications in Statistics* **B**, *22*, 955-974.
35. Haaga, D. A. F., Davison, G.C., McDermut, W., Hillis, S. L. Twomey, H. B. (1993). "State of mind" analysis of the articulated thoughts of ex-smokers, *Cognitive Therapy and Research*, *17*, 427-439.
36. Hillis, S. L. (1991). Extending M-Estimation to Include Censored Data via James's Method, *Communications in Statistics* **B**, *20*, 121-128.
37. Furst, D. E., Clements, P. J., Lachenbruch, P. A., Hillis, S. L., Miller, B. L., Sterz, G., Paulus, H. E. (1989). Immunosuppression with chlorambucil versus placebo for scleroderma, *Arthritis and Rheumatism*, *32*, 584-593.